

**IN THE SPECIFICATION:**

On page 5, please replace the last paragraph with the following:

In an embodiment, the paper has a water resistant layer associated with the top side of the base wherein the water resistant layer is located between the base and the antimicrobial surface. ~~Further, the paper has a the antimicrobial surface.~~ Further, the paper has a plurality of paper layers associated with the top side of the base wherein the plurality of paper layers is located between the antimicrobial surface and the base.

On page 7, please delete the sixth paragraph.

On page 7, please replace the last paragraph with the following:

In an embodiment, the process has the steps of applying a water resistant layer to the first side of the sheet and scoring the water resistant layer. Further, the process has the step of adhering a paper layer to the water resistant layer wherein the antimicrobial layer is associated with the paper layer.

On page 15, please replace the last paragraph with the following:

Moreover, the indented antimicrobial paper 10 may have an antimicrobial layer 4 which may be applied to a base layer 16. The base layer 16 may be made from a material, such as, for example, a paper, a cardboard and/or the like. The paper may be, for example,

a recycled kraft paper, a virgin kraft paper, a grey bogus paper, a news print paper, a butcher paper, a bleached kraft paper and/or the like. Further, the paper may be in a roll having a length, such as, for example, one foot, thirty inches, five foot and/or the like. The paper of the base layer 16 may have a weight range between, for example, ~~16.5~~ 16.5 pounds and 90.00 pounds. Moreover, the antimicrobial layer 4 may prevent, for example, bacteria and/or microbe growth and/or migration. The antimicrobial layer 4 may contain an active antimicrobial ingredient, such as, for example, silver zeolite. The antimicrobial layer 4 may be a coating solution containing the active antimicrobial ingredient. Further, the antimicrobial layer 4 may be a substrate, such as, for example, polyethylene containing the active antimicrobial ingredient. Moreover, the antimicrobial layer 4 may be, for example, a polyethylene covered with the antimicrobial coating solution.

On page 16, please replace the first full paragraph with the following:

Furthermore, indicia ~~18~~ (not shown in the drawings) may be applied to the base layer 16 of the indented antimicrobial paper 10. The indicia ~~18~~ may relate to, for example, an entity, such as, for example, a manufacturer of the indented antimicrobial paper 10. The indicia ~~18~~ may be applied to the base layer 16 by, for example,

a web printing press, a screening technique, a computer printer, a laser printer and/or the like.

On page 19, please replace the second full paragraph with the following:

Referring to Figure 11a, a flowchart 1100 of a process of making the indented antimicrobial paper 10 is provided. First, a base layer 16 may be provided via step 1110. Further, the indicia 18 may be printed on the base layer 16 with, for example, the web printing press. An antimicrobial layer 4 may be applied to the base layer 16 with a coating applicator and/or an extrusion applicator via step 1120. Still further, the layer combination via step 1120 which may be pressed with, for example, an indenter to texture the layer combination with the high points 6 and low points 8 and/or channels 7 via step 1130. Moreover, the layer combination of step 1130 may be cut into sheets for packaging with, for example, a sheeter via step 1140.

On page 20, please replace the first full paragraph with the following:

Referring to FIG. 12, the flowchart 1200 may provide a base layer 16 via step 1210. Further, the indicia 18 may be printed on the base layer 16. A water resistant layer 22 may be, for example, extruded onto the base layer 16 with an extrusion applicator via step 1220. The water resistant layer 22 may be scored by, for example, an electrostatic treatment via step 1230. Still further,

the antimicrobial layer 4 may be applied to the water resistant layer 22 with a coating applicator and/or an extrusion applicator via step 1240. Moreover, the layer combination of step 1240 may be pressed with, for example, an indenter to texture the layer combination with the high points 6 and the low points 8 and the channels 7 via step 1250. Furthermore, the layer combination of step 1250 may be cut into sheets for packaging with, for example, a sheeter via step 1260.

On page 20, please replace the last paragraph with the following:

FIG. 3 and FIG. 13 illustrate an indented antimicrobial paper 30 and a flowchart 1300 of a process for making the indented antimicrobial paper 30 in embodiments of the present invention, respectively. The indented antimicrobial paper 30 may have the length 12 and the width 14 and/or may be placed upon the surface. The indicia 18 may be applied to the base layer 16. The base layer 16 may have a first side 32 and a second side 34 opposite the first side 32. Further, the indented antimicrobial paper 30 may have the water resistant layer 22 attached to the first side 32 of the base layer 16. Still further, the indented antimicrobial paper 30 may have the antimicrobial layer 4 attached to the second side 34 of the base layer 16.

On page 21, please replace the last paragraph with the following:

Referring to FIG. 13, the flowchart 1300 may provide the first side 32 and the second side 34 of the base layer 16 via step 1310. Further, the indicia 18 may be printed on the base layer 16. The water resistant layer 22 may be, for example, extruded onto the first side 32 of the base layer 16 with an extrusion applicator via step 1320. Still further, the antimicrobial layer 4 may be applied to the second side 34 of the base layer 16 with a coating applicator and/or an extrusion applicator via step 1330. Moreover, the layer combination of 1330 may be pressed with, for example, an indenter to texture the layer combination with the high points 6 and low points 8 and/or the channels 7 via step 1340. Furthermore, the layer combination of step 1340 may be cut into sheets for packaging with, for example, a sheeter via step 1260.

On page 22, please replace the first full paragraph with the following:

FIG. 4 and FIG. 14 illustrate an indented antimicrobial paper 40 and a flowchart 1400 for a process of making the indented antimicrobial paper 40 in embodiments of the present invention, respectively. The indented antimicrobial paper 40 may have the length 12 and the width 14 and/or may be placed upon the surface. The indicia 18 may be applied to the base layer 16. The base layer 16 may have the first side 32 and the second side 34. Further, the indented antimicrobial paper 40 may have the first antimicrobial layer 4a attached to the first side 32 of the base layer 16. Still

further, the indented antimicrobial paper 40 may have the second antimicrobial layer 4b attached to the second side 34 of the base layer 16.

On page 22, please replace the last paragraph with the following:

FIG. 14 illustrates the flowchart 1400 which provides the first side 32 and the second side 34 of the base layer 16 via step 1410. The indicia 18 may be printed on the base layer 16. Further, the first antimicrobial layer 4a may be applied to the first side 32 of the base layer 16 with a coating applicator and/or an extrusion applicator via step 1420. Still further, the second antimicrobial layer 4b may be applied to the second side 34 of the base layer 16 with a coating applicator and/or an extrusion applicator via step 1430. Moreover, the layer combination of step 1430 may be pressed with, for example, an indenter to texture the layer combination with the high points 6 and the low points 8 and/or the channels 7 via step 1440. Furthermore, the layer combination of step 1440 may be cut into sheets for packaging with, for example, a sheeter via step 1260.

On page 23, please replace the last paragraph with the following:

Still further, the indicia ~~18~~ may be applied to the first base layer 16a and/or the second base layer 16b. The base layers 16a, 16b may have the first side 32a, 32b and the second side 34a, 34b,

respectively. The indented antimicrobial paper 50 may have the antimicrobial layer 4 attached to the second side 34b of the second base layer 16b. Moreover, the indented antimicrobial paper 50 may be textured with the high points 6 and the low points 8 and/or the channels 7. Furthermore, the indented antimicrobial paper 50 may be suitable for use as a liner in, for example, packaging containers, animal cages, litter boxes and/or the like. Moreover, the indented antimicrobial paper 50 may be used as, for example, a bedding, a cover, a mat, a bib, a wrap, a package and/or the like.

On page 24, please replace the first full paragraph with the following:

FIG. 15 illustrates the flowchart 1500 which may provide the first base layer 16a via step 1510. The indicia ~~18~~ may be printed on the base layers 16a, 16b. An adhesive layer 52 may be applied to the first base layer 16a with, for example, an adhesive applicator via step 1520. The first side 32b of the second base layer 16b may be adhered to the first base layer 16a with, for example, glue from the adhesive applicator via 1530. Further, the antimicrobial layer 4 may be applied to the second side 32b of the second base layer 16b with a coating applicator and/or an extrusion applicator via step 1540. Still further, the layer combination of step 1540 may be pressed with, for example, an indenter to texture the layer combination with the high points 6 and low points 8 and/or the channels 7 via step 1550. Furthermore, the layer combination of

step 1550 may be cut into sheets for packaging with, for example, a sheeter via step 1560.

On page 25, please replace the first full paragraph with the following:

Still further, the indicia ~~18~~ may be applied to the first base layer 16a and/or second base layer 16b. The base layers 16a, 16b may have the first side 32a, 32b and the second side 34a, 34b, respectively. The indented antimicrobial paper 60 may have the antimicrobial layer 4 attached to the second water resistant layer 22b. Moreover, the indented antimicrobial paper 60 may be textured with the high points 6 and the low points 8 and/or the channels 7. Furthermore, the indented antimicrobial paper 60 may be suitable for use as a heavy duty surface, such as, for example, a food cutting board, a medical and/or animal laboratory cutting surface, a pathology table cover and/or the like. Moreover, the indented antimicrobial paper 60 may be used as, for example, a liner, a bedding, a cover, a mat, a bib, a wrap, a package and/or the like.

On page 25, please replace the last paragraph with the following:

FIG. 16 illustrates the flowchart 1600 which may provide the first base layer 16a via step 1610. The first water resistant layer 22a may be, for example, extruded onto the first base layer 16a with an extrusion applicator via step 1620. Further, the first water resistant layer 22a may be scored by, for example, an



electrostatic treatment via step 1630. The adhesive layer 52 may be applied to the first water resistant layer 22a with, for example, an adhesive applicator via step 1640. The first side 32b of the second base layer 16b may be adhered to the adhesive layer 52 with, for example, glue from the adhesive applicator via 1650. The indicia 18 may be printed on the first base layer 16a and/or the second base layer 16b with, for example, a web printing press. Still further, the second water resistant layer 22b may be, for example, extruded onto the second side 34b of the second base layer 16b with an extrusion applicator via step 1660. The second water resistant layer 22a may be scored by, for example, an electrostatic treatment via step 1670. Moreover, the antimicrobial layer 4 may be applied to the second water resistant layer 22b with a coating applicator and/or an extrusion applicator via step 1680. Still further, the layer combination of step 1680 may be pressed with, for example, an indenter to texture the layer combination with the high points 6 and the low points 8 and/or the channels 7 via step 1690. Furthermore, the layer combination of step 1690 may be cut into sheets for packaging with, for example, a sheeter via step 1695.

On page 26, please replace the last paragraph with the following:

Still further, the indicia 18 may be applied to the first base layer 16a, the second base layer 16a and/or third base layer 16c.

The base layers 16a, 16b, 16c may have the first sides 32a, 32b, 32c and the second sides 34a, 34b, 34c, respectively. The indented antimicrobial paper 70 may have the antimicrobial layer 4 attached to the third water resistant layer 22c. Moreover, the indented antimicrobial paper 70 may be textured with the high points 6 and the low points 8 and/or the channels 7. Furthermore, the indented antimicrobial paper 70 may be suitable for use as a heavy duty surface, such as, for example, a food cutting board, a medical and/or animal laboratory cutting surface, a pathology table cover and/or the like. Moreover, the indented antimicrobial paper 70 may be used as, for example, a liner, a bedding, a cover, a mat, a bib, a wrap, a package and/or the like.

On page 28, please replace the last paragraph with the following:

FIG. 8 and FIG. 18 illustrate an indented antimicrobial paper 80 and a flowchart 1800 for a process of making the indented antimicrobial paper 80 in embodiments of the present invention, respectively. The indented antimicrobial paper 80 may have the length 12 and the width 14 and/or may be placed on the surface. The indicia 18 may be applied to the base layer 16. Further, the indented antimicrobial paper 80 may have the antimicrobial layer 4 applied to the base layer 16. Still further, the water resistant layer 22 may be applied to the antimicrobial layer 4. Moreover, the indented antimicrobial paper 80 may be textured with the

alternating high points 6 and the low points 8 and/or the channels 7. Furthermore, the indented antimicrobial paper 80 may be used as, for example, a liner, a bedding, a cover, a mat, a bib, a wrap, a package and/or the like.

On page 29, please replace the first full paragraph with the following:

Referring to FIG. 18, the flowchart 1800 may provide a base layer 16 via step 1810. Further, the indicia ~~18~~ may be printed on the base layer 16. The antimicrobial layer 4 may be applied to the base layer 16 with a coating applicator and/or an extrusion applicator via step 1820. Still further, the water resistant layer 22 may be, for example, extruded onto the antimicrobial layer 4 with an extrusion applicator via step 1830. Moreover, the layer combination of step 1830 may be pressed with, for example, an indenter to texture the layer combination with the high points 6 and the low points 8 and/or the channels 7 via step 1840. Furthermore, the layer combination of step 1840 may be cut into sheets for packaging with, for example, a sheeter via step 1850.

On page 29, please replace the first full paragraph with the following:

FIG. 9 and FIG. 19 illustrate an indented antimicrobial paper 90 and a flowchart 1900 for a process of making the indented antimicrobial paper 90 in embodiments of the present invention, respectively. The indented antimicrobial paper 90 may have the

length 12 and the width 14 and/or may be placed on the surface. Further, the indented antimicrobial paper 90 may have the adhesive layer 52 connecting a first base layer 16a having the water resistant layer 22 to a second base layer 16b having the antimicrobial layer 4. Still further, the indicia 18 may be applied to the first base layer 16a and/or second base layer 16b. The base layers 16a, 16b may have the first sides 32a, 32b and the second sides 34a, 34b, respectively. Moreover, the indented antimicrobial paper 90 may be textured with the high points 6 and the low points 8 and/or the channels 7. Furthermore, the indented antimicrobial paper 90 may be used as, for example, a liner, a bedding, a cover, a mat, a bib, a wrap, a package and/or the like.

On page 30, please replace the first full paragraph with the following:

FIG. 19 illustrates the flowchart 1900 which may provide the first base layer 16a via step 1910. The water resistant layer 22 may be, for example, extruded onto the first base layer 16 with an extrusion applicator via step 1920. Further, the water resistant layer 22 may be scored by, for example, an electrostatic treatment via step 1930. The adhesive layer 52 may be applied to the water resistant layer 22 with, for example, an adhesive applicator via step 1940. The first side 32 of the second base layer 16b may be adhered to the adhesive layer 52 with, for example, glue from the adhesive applicator via 1950. The indicia 18 may be printed on the

first base layer 16a and/or second base layer 16b with, for example, a web printing press. Still further, the antimicrobial layer 4 may be applied to the second side 34b of the second base layer 16b with a coating applicator and/or an extrusion applicator via step 1960. Moreover, the layer combination of step 1960 may be pressed with, for example, an indenter to texture the layer combination with the high points 6 and the low points 8 and/or the channels 7 via step 1970. Furthermore, the layer combination of step 1970 may be cut into sheets for packaging with, for example, a sheeter via step 1980.

On page 31, please replace the second full paragraph with the following:

Furthermore, the indicia 18 may be applied to the first base layer 16a, the second base layer 16b, the third base layer 16c and/or the fourth base layer 16d. The base layers 16a, 16b, 16c, 16d may have the first sides 32a, 32b, 32c, 32d and the second sides 34a, 34b, 34c, 34d. The indented antimicrobial paper 100 may have the antimicrobial layer 4 attached to the fourth water resistant layer 22d. Moreover, the indented antimicrobial paper 100 may be textured with the high points 6 and the low points 8 and/or the channels 7. Furthermore, the indented antimicrobial paper 100 may be used as, for example, a liner, a bedding, a cover, a mat, a bib, a wrap, a package and/or the like.